

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Y. Murakawa : Art Unit:
 Serial No.: To Be Assigned : Examiner:
 Filed: Herewith :
 FOR: METHOD OF VIRTUAL PRIVATE :
 NETWORK COMMUNICATION IN :
 SECURITY GATEWAY APPARATUS AND
 SECURITY GATEWAY APPARATUS
 USING THE SAME

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application as follows.

IN THE CLAIMS:

Please amend the claims as follows:

1 4. (As Amended) The VPN communication method for the security
 2 gateway apparatus according to [any one of claims 1 through 3] claim 1, wherein
 3 an encryption key and an authentication key are exchanged with a public key
 4 cryptosystem during the IKE communication.

1 5. (As Amended) The VPN communication method for the security
 2 gateway apparatus according to [any one of claims 1 through 3] claim 1, wherein
 3 the DHCP communication option contains an IP address and a subnet mask.

1 9. (As Amended) The security gateway apparatus according to [any one of
2 claims 6 through 8] claim 6, wherein an encryption key and an authentication key
3 are exchanged with a public key cryptosystem during the IKE communication.

1 10. (As Amended) The security gateway apparatus according to [any one of
2 claims 6 through 8] claim 6, wherein the DHCP communication option contains an
3 IP address and a subnet mask.

1 11. (Newly Added) The VPN communication method for the security
2 gateway apparatus according to claim 2, wherein an encryption key and an
3 authentication key are exchanged with a public key cryptosystem during the IKE
4 communication.

1 12. (Newly Added) The VPN communication method for the security
2 gateway apparatus according to claim 3, wherein an encryption key and an
3 authentication key are exchanged with a public key cryptosystem during the IKE
4 communication.

1 13. (Newly Added) The VPN communication method for the security
2 gateway apparatus according to claim 2, wherein the DHCP communication option
3 contains an IP address and a subnet mask.

1 14. (Newly Added) The VPN communication method for the security
2 gateway apparatus according to claim 2, wherein the DHCP communication option
3 contains an IP address and a subnet mask.

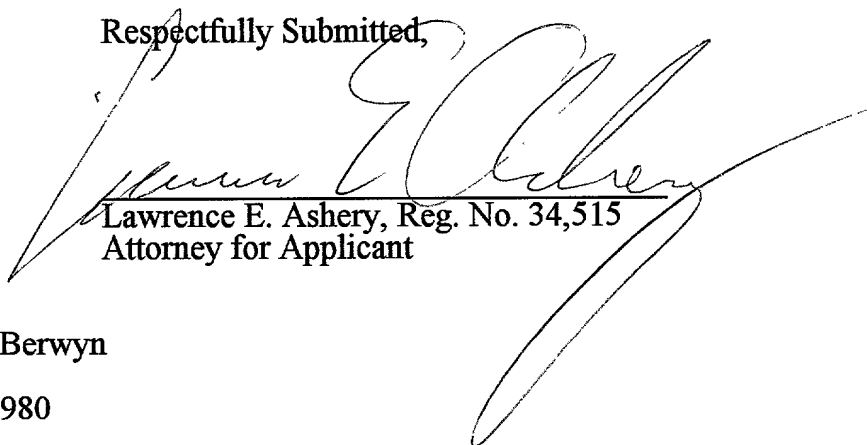
1 15. (Newly Added) The security gateway apparatus according to claim 7,
2 wherein an encryption key and an authentication key are exchanged with a public
3 key cryptosystem during the IKE communication.

1 16. (Newly Added) The security gateway apparatus according to claim 8,
2 wherein an encryption key and an authentication key are exchanged with a public
3 key cryptosystem during the IKE communication.

1 17. (Newly Added) The security gateway apparatus according to claim 7,
2 wherein the DHCP communication option contains an IP address and a subnet
3 mask.

1 18. (Newly Added) The security gateway apparatus according to claim 8,
2 wherein the DHCP communication option contains an IP address and a subnet
3 mask.

Respectfully Submitted,


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Kathleen Libby